EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14	US-4415275-$.DID. OR US-4761269-$.DID. OR US-5027746-$. DID. OR US-5173327-$.DID. OR US-6387185-$.DID. OR US-6432231-$.DID. OR US-6451119-$.DID. OR US-6573182-$. DID. OR US-6579374-$.DID. OR US-6593484-$.DID. OR US-6613656-$.DID. OR US-6071572-$.DID. OR US-6302965-$. DID. OR US-6593484-$.DID. OR US-6815285-$.DID.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/02/17 14:04
L2	4684	700/121.ccls. or 438/478.ccls. or 118/729,719.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/02/17 14:46
L3	175	l2 and ((chamber or zone) and support and deposition).clm.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/02/17 14:47
L4	47	l3 and vertical.clm.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/02/17 14:47
S1	498	atomic adj layer adj deposition	US-PGPUB; USPAT	OR	ON	2006/02/13 13:26
S2	194	(atomic adj layer adj deposition) and chamber and region$1	US-PGPUB; USPAT	OR	ON	2003/02/27 15:50
S3	94	((atomic adj layer adj deposition) and chamber and region$1) and @ad<="20010727"	US-PGPUB; USPAT	OR	ON	2003/02/27 16:43
S4	67	(((atomic adj layer adj deposition) and chamber and region$1) and @ad<="20010727") and wafer	US-PGPUB; USPAT	OR	ON	2003/02/27 15:51
S5	16	((((atomic adj layer adj deposition) and chamber and region$1) and @ad<="20010727") and wafer) and support	US-PGPUB; USPAT	OR	ON	2003/02/27 15:51
S6	12	(((((atomic adj layer adj deposition) and chamber and region$1) and @ad<="20010727") and wafer) and support) and heater	US-PGPUB; USPAT	OR	ON	2005/03/04 12:54
S7	1	"5951776".pn.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:06
S8	1	"6525747".pn.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:40
S9	1	"6174805".PN.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:36
S10	1	"6132514".PN.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:36
S11	1	"6071552".PN.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:37
S12	1	"5998871".PN.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:37
S13	1	"5998871".PN.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:37
S14	1	"5972785".PN.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:37
S15	1	"5916365".PN.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:37
S16	1	"5416045".PN.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:38
S17	1	"5344792".PN.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:38
S18	1	"6190732".PN.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:39
S19	1	"6174377".PN.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:39

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S20	1	"5935338".PN.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:40
S21	1	"5879459".PN.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:40
S22	1	"5582866".PN.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:40
S23	655	700/121.ccls.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:40
S24	213	700/121.ccls. and deposition	US-PGPUB; USPAT	OR	ON	2003/02/27 16:41
S25	113	(700/121.ccls. and deposition) and chamber	US-PGPUB; USPAT	OR	ON	2003/02/27 16:41
S26	90	((700/121.ccls. and deposition) and chamber) and @ad<="20010727"	US-PGPUB; USPAT	OR	ON	2003/03/03 14:47
S27	3	(((700/121.ccls. and deposition) and chamber) and @ad<="20010727") and piston	US-PGPUB; USPAT	OR	ON	2003/02/27 16:41
S28	1	(((atomic adj layer adj deposition) and chamber and region$1) and @ad<="20010727") and piston	US-PGPUB; USPAT	OR	ON	2003/02/27 16:50
S29	1228	118/719.ccls.	US-PGPUB; USPAT	OR	ON	2003/02/27 16:50
S30	55	118/719.ccls. and wafer and piston	US-PGPUB; USPAT	OR	ON	2003/02/27 16:50
S31	16	(118/719.ccls. and wafer and piston) and aperture	US-PGPUB; USPAT	OR	ON	2003/02/27 16:51
S32	15	kosowski.xa.	US-PGPUB; USPAT	OR	ON	2003/03/03 14:05
S33	4183	deposition and wafer and support and chamber and region$2 and temperature and two and gas	US-PGPUB; USPAT	OR	ON	2003/03/03 14:47
S34	3626	(deposition and wafer and support and chamber and region$2 and temperature and two and gas) and @ad<="20010727"	US-PGPUB; USPAT	OR	ON	2003/03/03 17:34
S35	167	((deposition and wafer and support and chamber and region$2 and temperature and two and gas) and @ad<="20010727") and piston	US-PGPUB; USPAT	OR	ON	2003/03/03 14:50
S36	11	(((deposition and wafer and support and chamber and region$2 and temperature and two and gas) and @ad<="20010727") and piston) and monolayer	US-PGPUB; USPAT	OR	ON	2003/03/03 14:51
S37	90	((deposition and wafer and support and chamber and region$2 and temperature and two and gas) and @ad<="20010727") and atomic adj layer	US-PGPUB; USPAT	OR	ON	2003/03/03 14:51
S38	1413684	(((deposition and wafer and support and chamber and region$2 and temperature and two and gas) and @ad<="20010727") and atomic adj layer) and deposition near$5 region$1	US-PGPUB; USPAT	OR	ON	2003/03/03 14:53
S39	90	(((deposition and wafer and support and chamber and region$2 and temperature and two and gas) and @ad<="20010727") and atomic adj layer) and (deposition near$5 region$1)	US-PGPUB; USPAT	OR	ON	2003/03/03 16:18
S40	1	"6174805".PN.	US-PGPUB; USPAT	OR	ON	2003/03/03 15:11
S41	1	"6132514".PN.	US-PGPUB; USPAT	OR	ON	2003/03/03 15:11
S42	1	"6071552".PN.	US-PGPUB; USPAT	OR	ON	2003/03/03 15:11
S43	1	"5998871".PN.	US-PGPUB; USPAT	OR	ON	2003/03/03 15:11
S44	4	((deposition and wafer and support and chamber and region$2 and temperature and two and gas) and @ad<="20010727") and moveable adj support	US-PGPUB; USPAT	OR	ON	2003/03/03 16:35

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S45	64	deposition and moveable adj support	US-PGPUB; USPAT	OR	ON	2003/03/03 16:35
S46	62	(deposition and moveable adj support) and @ad<="20010727"	US-PGPUB; USPAT	OR	ON	2003/03/03 16:37
S47	25	((deposition and moveable adj support) and @ad<="20010727") and wafer	US-PGPUB; USPAT	OR	ON	2003/03/03 17:16
S48	1	"5013400".PN.	US-PGPUB; USPAT	OR	ON	2003/03/03 16:45
S49	1	"4990374".PN.	US-PGPUB; USPAT	OR	ON	2003/03/03 16:45
S50	1	"4978412".PN.	US-PGPUB; USPAT	OR	ON	2003/03/03 16:46
S51	1	"4963713".PN.	US-PGPUB; USPAT	OR	ON	2003/03/03 16:46
S52	655	700/121.ccls.	US-PGPUB; USPAT	OR	ON	2003/03/03 17:16
S53	2	700/121.ccls. and atomic adj layer adj deposition	US-PGPUB; USPAT	OR	ON	2003/03/03 17:33
S54	21	interconnected with deposition with region$2	US-PGPUB; USPAT	OR	ON	2003/03/03 17:33
S55	21	(interconnected with deposition with region$2) and @ad<="20010727"	US-PGPUB; USPAT	OR	ON	2003/03/04 10:10
S56	1	"4423701".pn.	US-PGPUB; USPAT	OR	ON	2003/03/04 10:10
S57	1	"4423701".pn. and (heater or temperature)	US-PGPUB; USPAT	OR	ON	2003/03/04 11:13
S58	9	(US-6524952-$ or US-6387185-$ or US-5916365-$ or US-5292554-$ or US-4423701-$ or US-4664939-$).did. or (US-20020197863-$ or US-20020076490-$ or US-20020056414-$).did.	US-PGPUB; USPAT	OR	OFF	2003/03/04 13:26
S59	2	((US-6524952-$ or US-6387185-$ or US-5916365-$ or US-5292554-$ or US-4423701-$ or US-4664939-$).did. or (US-20020197863-$ or US-20020076490-$ or US-20020056414-$).did.) and aperture	US-PGPUB; USPAT	OR	ON	2003/03/04 13:51
S60	0	"4423701".pn. and gase	US-PGPUB; USPAT	OR	ON	2003/03/04 13:51
S61	1	"4423701".pn. and gas	US-PGPUB; USPAT	OR	ON	2003/03/04 13:51
S62	1	"4664939".pn. and gas	US-PGPUB; USPAT	OR	ON	2003/03/04 14:09
S63	2	((US-6524952-$ or US-6387185-$ or US-5916365-$ or US-5292554-$ or US-4423701-$ or US-4664939-$).did. or (US-20020197863-$ or US-20020076490-$ or US-20020056414-$).did.) and electrostatic	US-PGPUB; USPAT	OR	ON	2003/03/04 14:18
S64	0	((US-6524952-$ or US-6387185-$ or US-5916365-$ or US-5292554-$ or US-4423701-$ or US-4664939-$).did. or (US-20020197863-$ or US-20020076490-$ or US-20020056414-$).did.) and piston	US-PGPUB; USPAT	OR	ON	2003/03/04 14:18
S65	18	atomic adj layer adj deposition and piston	US-PGPUB; USPAT	OR	ON	2003/03/04 14:22
S66	437	deposition and chamber and support and wafer and piston	US-PGPUB; USPAT	OR	ON	2003/03/04 14:23
S67	242	(deposition and chamber and support and wafer and piston) and region and gas	US-PGPUB; USPAT	OR	ON	2003/03/04 14:23
S68	191	((deposition and chamber and support and wafer and piston) and region and gas) and @ad<="20010727"	US-PGPUB; USPAT	OR	ON	2003/03/04 14:25

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S69	94	deposition and wafer adj support and piston	US-PGPUB; USPAT	OR	ON	2003/03/04 14:25
S70	83	(deposition and wafer adj support and piston) and @ad<="20010727"	US-PGPUB; USPAT	OR	ON	2003/03/04 14:26
S71	8	((deposition and wafer adj support and piston) and @ad<="20010727") and wafer adj support with piston	US-PGPUB; USPAT	OR	ON	2003/03/04 14:28
S72	1	"5228502".pn.	US-PGPUB; USPAT	OR	ON	2003/03/04 14:28
S73	10	(US-6524952-$ or US-6387185-$ or US-5916365-$ or US-5292554-$ or US-4664939-$ or US-4423701-$ or US-5518542-$).did. or (US-20020076490-$ or US-20020197863-$ or US-20020056414-$).did.	US-PGPUB; USPAT	OR	OFF	2003/07/25 14:05
S74	1	((US-6524952-$ or US-6387185-$ or US-5916365-$ or US-5292554-$ or US-4664939-$ or US-4423701-$ or US-5518542-$).did. or (US-20020076490-$ or US-20020197863-$ or US-20020056414-$).did.) and elevation	US-PGPUB; USPAT	OR	ON	2003/07/25 14:06
S75	8	((US-6524952-$ or US-6387185-$ or US-5916365-$ or US-5292554-$ or US-4664939-$ or US-4423701-$ or US-5518542-$).did. or (US-20020076490-$ or US-20020197863-$ or US-20020056414-$).did.) and vertical	US-PGPUB; USPAT	OR	ON	2003/07/25 14:11
S76	58	dworkin.in.	US-PGPUB; USPAT	OR	ON	2003/07/28 11:14
S77	1	dworkin.in. and vendor	US-PGPUB; USPAT	OR	ON	2003/07/28 11:56
S78	20721	image adj planes	US-PGPUB; USPAT	OR	ON	2003/07/28 11:56
S79	1159	(image adj planes) and "345"/$.ccls.	US-PGPUB; USPAT	OR	ON	2003/07/28 11:56
S80	680	118/729.ccls.	US-PGPUB; USPAT	OR	ON	2003/11/17 16:10
S81	411	118/729.ccls. and (vertical or elevation)	US-PGPUB; USPAT	OR	ON	2003/11/17 16:10
S82	306	(118/729.ccls. and (vertical or elevation)) and deposition	US-PGPUB; USPAT	OR	ON	2003/11/17 16:10
S83	50	((118/729.ccls. and (vertical or elevation)) and deposition) and chuck	US-PGPUB; USPAT	OR	ON	2003/11/17 16:10
S84	48	(((118/729.ccls. and (vertical or elevation)) and deposition) and chuck) and (zone or chamber)	US-PGPUB; USPAT	OR	ON	2003/11/17 16:11
S85	12	((((118/729.ccls. and (vertical or elevation)) and deposition) and chuck) and (zone or chamber)) and pedestal	US-PGPUB; USPAT	OR	ON	2003/11/17 16:16
S86	9	(((((118/729.ccls. and (vertical or elevation)) and deposition) and chuck) and (zone or chamber)) and pedestal) and (((118/729.ccls. and (vertical or elevation)) and deposition) and (pedestal same vertical$3))	US-PGPUB; USPAT	OR	ON	2003/11/17 16:19
S87	32	((118/729.ccls. and (vertical or elevation)) and deposition) and (pedestal same vertical$3)	US-PGPUB; USPAT	OR	ON	2003/11/17 16:50
S88	1	"6143086".URPN.	USPAT	OR	ON	2003/11/17 16:27
S89	16	("3306768" | "3641974" | "4724621" | "4938815" | "5065698" | "5094885" | "5135629" | "5169684" | "5192371" | "5213650" | "5228501" | "5238499" | "5304249" | "5474612" | "5589224" | "5803977").PN.	USPAT	OR	ON	2003/11/17 16:27
S90	225	(wafer or semiconductor) and (pedestal same vertical$4) and (mult$4 near5 chamber$2)	US-PGPUB; USPAT	OR	ON	2003/11/17 16:51
S91	209	((wafer or semiconductor) and (pedestal same vertical$4) and (mult$4 near5 chamber$2)) and deposition	US-PGPUB; USPAT	OR	ON	2003/11/17 16:51
S92	16	"5855675".URPN.	USPAT	OR	ON	2003/11/17 16:52

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S93	37	(((wafer or semiconductor) and (pedestal same vertical$4) and (mult$4 near5 chamber$2)) and deposition) and chuck and heater	US-PGPUB; USPAT	OR	ON	2003/11/18 10:02
S94	25	"5909994".URPN.	USPAT	OR	ON	2003/11/18 09:55
S95	58	(wafer or semiconductor) and vertical and multichamber and deposition and chuck and heater	US-PGPUB; USPAT	OR	ON	2003/11/18 10:03
S96	66	(wafer or semiconductor) and vertical and multichamber and deposition and chuck	US-PGPUB; USPAT	OR	ON	2003/11/18 10:03
S97	201	(wafer or semiconductor) and vertical and multichamber and deposition	US-PGPUB; USPAT	OR	ON	2003/11/18 10:03
S98	172	((wafer or semiconductor) and vertical and multichamber and deposition) and (pedestal or support)	US-PGPUB; USPAT	OR	ON	2003/11/18 10:04
S99	11	(((wafer or semiconductor) and vertical and multichamber and deposition) and (pedestal or support)) and "700"/$.ccls.	US-PGPUB; USPAT	OR	ON	2003/11/18 10:05
S100	2	"6178660".URPN.	USPAT	OR	ON	2003/11/18 10:12
S101	13	("4795299" | "4917556" | "5228206" | "5423971" | "5529657" | "5611861" | "5755938" | "5759334" | "5855675" | "5863170" | "5880924" | "5882165" | "5886864").PN.	USPAT	OR	ON	2003/11/18 10:13
S102	1	"4423701".pn.	US-PGPUB; USPAT	OR	ON	2003/11/18 10:23
S103	1	"4423701".pn. and vertical	US-PGPUB; USPAT	OR	ON	2003/11/18 10:23
S104	15	(US-4423701-$ or US-5292554-$ or US-5518542-$ or US-4664939-$ or US-6524952-$ or US-6387185-$ or US-5916365-$ or US-6143086-$ or US-6497767-$ or US-6178660-$ or US-5772773-$ or US-6318945-$).did. or (US-20020056414-$ or US-20020197863-$ or US-20020076490-$).did.	US-PGPUB; USPAT	OR	OFF	2003/11/18 10:40
S105	51	multizone and deposition and wafer	US-PGPUB; USPAT	OR	ON	2003/11/18 10:45
S106	25	(multizone and deposition and wafer) and vertical	US-PGPUB; USPAT	OR	ON	2003/11/18 10:40
S107	4	((multizone and deposition and wafer) and vertical) and pedestal	US-PGPUB; USPAT	OR	ON	2003/11/18 10:42
S108	1	"6352593".pn.	US-PGPUB; USPAT	OR	ON	2003/11/18 10:42
S109	220	(multizone or multi-zone) and deposition and wafer	US-PGPUB; USPAT	OR	ON	2003/11/18 10:46
S110	0	((multizone or multi-zone) and deposition and wafer) and verticle	US-PGPUB; USPAT	OR	ON	2003/11/18 10:46
S111	126	((multizone or multi-zone) and deposition and wafer) and vertical	US-PGPUB; USPAT	OR	ON	2003/11/18 10:46
S112	104	(((multizone or multi-zone) and deposition and wafer) and vertical) and (support or pedestal)	US-PGPUB; USPAT	OR	ON	2003/11/18 10:46
S113	63	((((multizone or multi-zone) and deposition and wafer) and vertical) and (support or pedestal)) and heater	US-PGPUB; USPAT	OR	ON	2003/11/18 10:46
S114	27	(((((multizone or multi-zone) and deposition and wafer) and vertical) and (support or pedestal)) and heater) and chuck	US-PGPUB; USPAT	OR	ON	2003/11/18 11:12
S115	2	"6413321".URPN.	USPAT	OR	ON	2003/11/18 10:50
S116	17	("3627590" | "4798165" | "5045346" | "5221414" | "5230741" | "5238499" | "5244730" | "5350427" | "5366585" | "5374594" | "5447570" | "5589233" | "5614055" | "5855681" | "5871811" | "5879128" | "6020035").PN.	USPAT	OR	ON	2003/11/18 10:50
S117	1329	118/719.ccls.	US-PGPUB; USPAT	OR	ON	2003/11/18 11:12

S11 8	73	118/719.ccls. and pedestal and vertical	US-PGPUB; USPAT	OR	ON	2003/11/18 12:47
S11 9	450	118/719.ccls. and (pedestal or support) and vertical	US-PGPUB; USPAT	OR	ON	2003/11/18 11:13
S12 0	25	(118/719.ccls. and pedestal and vertical) and zone and gas	US-PGPUB; USPAT	OR	ON	2003/11/18 12:55
S12 1	253	118/719.ccls. and aperture	US-PGPUB; USPAT	OR	ON	2003/11/18 12:55
S12 2	171	(118/719.ccls. and aperture) and vertical$3	US-PGPUB; USPAT	OR	ON	2003/11/18 12:55
S12 3	112	((118/719.ccls. and aperture) and vertical$3) and wafer	US-PGPUB; USPAT	OR	ON	2003/11/18 12:55
S12 4	56	(((118/719.ccls. and aperture) and vertical$3) and wafer) and (region or zone)	US-PGPUB; USPAT	OR	ON	2003/11/18 12:57
S12 5	3	((((118/719.ccls. and aperture) and vertical$3) and wafer) and (region or zone)) and piston	US-PGPUB; USPAT	OR	ON	2003/11/18 13:26
S12 6	30	"4430149".URPN.	USPAT	OR	ON	2003/11/18 13:13
S12 7	823	700/121.ccls.	US-PGPUB; USPAT	OR	ON	2003/11/18 13:27
S12 8	257	700/121.ccls. and deposition and wafer	US-PGPUB; USPAT	OR	ON	2003/11/18 13:27
S12 9	11	(700/121.ccls. and deposition and wafer) and zone and aperture	US-PGPUB; USPAT	OR	ON	2003/11/18 13:27
S13 0	44138	"438"/$.ccls. and deposition	US-PGPUB; USPAT	OR	ON	2003/11/18 13:30
S13 1	12	("438"/$.ccls. and deposition) and pedestal and piston	US-PGPUB; USPAT	OR	ON	2003/11/18 13:34
S13 2	607	438/680.ccls.	US-PGPUB; USPAT	OR	ON	2003/11/18 13:36
S13 3	10	deposition and wafer adj support and (multizone or multi-zone) and aperture and vertical$4 and heat$4	US-PGPUB; USPAT	OR	ON	2003/11/18 13:39
S13 4	4	cvd and pedestal same piston	US-PGPUB; USPAT	OR	ON	2003/11/18 13:48
S13 5	17	("4382739" | "4513855" | "4590380" | "4619573" | "4632624" | "4746256" | "4801241" | "4861222" | "4872947" | "4894132" | "4902531" | "4915564" | "4923584" | "5051054" | "5098198" | "5108570" | "5131460").PN.	USPAT	OR	ON	2003/11/18 13:40
S13 6	607	438/680.ccls.	US-PGPUB; USPAT	OR	ON	2003/11/18 13:48
S13 7	26	438/680.ccls. and wafer adj support	US-PGPUB; USPAT	OR	ON	2003/11/18 14:04
S13 8	25	438/680.ccls. and vertical and pedestal	US-PGPUB; USPAT	OR	ON	2003/11/18 14:04
S13 9	19	(438/680.ccls. and vertical and pedestal) not (438/680.ccls. and wafer adj support)	US-PGPUB; USPAT	OR	ON	2003/11/18 14:09
S14 0	8	("4951601" | "5246881" | "5366585" | "5516367" | "5558717" | "5846332" | "5853607" | "5885356").PN.	USPAT	OR	ON	2003/11/18 14:06
S14 1	2	"6063441".URPN.	USPAT	OR	ON	2003/11/18 14:08
S14 2	323	438/478.ccls.	US-PGPUB; USPAT	OR	ON	2003/11/18 14:09
S14 3	14	438/478.ccls. and pedestal	US-PGPUB; USPAT	OR	ON	2003/11/18 14:12

S14 4	690	wafer and deposition and support same screw and vertical	US-PGPUB; USPAT	OR	ON	2003/11/18 14:12
S14 5	245	(wafer and deposition and support same screw and vertical) and cvd	US-PGPUB; USPAT	OR	ON	2003/11/18 14:12
S14 6	123	((wafer and deposition and support same screw and vertical) and cvd) and heater	US-PGPUB; USPAT	OR	ON	2003/11/18 14:13
S14 7	47	(((wafer and deposition and support same screw and vertical) and cvd) and heater) and zone	US-PGPUB; USPAT	OR	ON	2003/11/18 14:20
S14 8	24	"5620523".URPN.	USPAT	OR	ON	2003/11/18 14:20
S14 9	38	deposition and wafer and ball adj screw and zone	US-PGPUB; USPAT	OR	ON	2003/11/18 14:31
S15 0	275	cvd and ball adj screw	US-PGPUB; USPAT	OR	ON	2003/11/18 14:31
S15 1	6	(cvd and ball adj screw) and zone and aperture	US-PGPUB; USPAT	OR	ON	2003/11/18 14:31
S15 2	0	"6497767".URPN.	USPAT	OR	ON	2003/11/18 15:14
S15 3	10	("5273588" | "5418885" | "5446825" | "5688331" | "5796074" | "5855675" | "5916370" | "6001183" | "6190113" | "6190460"). PN.	USPAT	OR	ON	2003/11/18 15:15
S15 4	1	"6497767".pn.	US-PGPUB; USPAT	OR	ON	2003/11/18 16:30
S15 5	1	"6650315".pn.	US-PGPUB; USPAT	OR	ON	2003/11/18 16:49
S15 6	1	"6650346".pn.	US-PGPUB; USPAT	OR	ON	2003/11/18 16:50
S15 7	46	("6630030" or "6579372" or "6578287" or "6572705" or "6551406" or "6511539" or "6481945" or "6478872" or "6447607" or "6306216" or "6305314" or "6270572" or "6231672" or "6200893" or "6197683" or "6183563" or "6174377" or "6139700" or "6042652" or "6015590" or "5916365" or "5879459" or "5855680" or "5835677" or "5807792" or "5796116" or "5730802" or "5711811" or "5674786" or "5503875" or "5483919" or "5480818" or "5443647" or "5441703" or "5374570" or "5338362" or "5294286" or "5281274" or "5261959" or "5225366" or "4993357" or "4975252" or "4834831" or "4413022" or "4389973" or "4058430").pn.	US-PGPUB; USPAT	OR	ON	2004/09/16 14:17
S15 8	20	(US-6143086-$ or US-5772773-$ or US-4664939-$ or US-4423701-$ or US-5518542-$ or US-5292554-$ or US-6387185-$ or US-6524952-$ or US-5916365-$ or US-6497767-$ or US-6178660-$ or US-6318945-$ or US-4430149-$ or US-4949669-$ or US-5676869-$ or US-5620523-$ or US-6017396-$).did. or (US-20020056414-$ or US-20020197863-$ or US-20020076490-$).did.	US-PGPUB; USPAT	OR	OFF	2004/09/16 16:46
S15 9	10	((US-6143086-$ or US-5772773-$ or US-4664939-$ or US-4423701-$ or US-5518542-$ or US-5292554-$ or US-6387185-$ or US-6524952-$ or US-5916365-$ or US-6497767-$ or US-6178660-$ or US-6318945-$ or US-4430149-$ or US-4949669-$ or US-5676869-$ or US-5620523-$ or US-6017396-$).did. or (US-20020056414-$ or US-20020197863-$ or US-20020076490-$).did.) and purge	US-PGPUB; USPAT	OR	ON	2004/09/16 16:46
S16 0	3	"5916365".pn. or "4423701".pn. or "6497767".pn.	US-PGPUB; USPAT	OR	ON	2004/09/17 12:45
S16 2	2553	atomic adj layer adj deposition	US-PGPUB; USPAT	OR	ON	2005/03/04 12:53
S16 3	178	S162 and chamber and region$ and wafer and support and heater	US-PGPUB; USPAT	OR	ON	2005/03/04 12:54

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S16 4	18	S163 and region$2 same (connected or interconnected)	US-PGPUB; USPAT	OR	ON	2005/03/04 12:57
S16 5	115	S163 not applied.as.	US-PGPUB; USPAT	OR	ON	2005/03/04 12:57
S16 6	84	S165 and vertical$4	US-PGPUB; USPAT	OR	ON	2005/03/04 13:12
S16 7	1	"6174377".pn.	US-PGPUB; USPAT	OR	ON	2005/03/04 13:00
S16 8	48	("5078851" | "5156820" | "5294778" | "5582866" | "5855675" | "5935338").PN. OR ("6174377").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/04 13:04
S16 9	42	("6174377").URPN.	USPAT	OR	OFF	2005/03/04 13:04
S17 0	23	S169 and vertical$4	USPAT	OR	OFF	2005/03/04 13:04
S17 1	6	("5078851" | "5156820" | "5294778" | "5582866" | "5855675" | "5935338").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/04 13:10
S17 2	67	S165 and vertical$4 same (support or pedestal)	US-PGPUB; USPAT	OR	ON	2005/03/04 13:19
S17 3	87	ladder adj boat	US-PGPUB; USPAT	OR	ON	2005/03/04 13:19
S17 4	8	S173 and (ald or cvd)	US-PGPUB; USPAT	OR	ON	2005/03/04 13:50
S17 5	0	("6656273").URPN.	USPAT	OR	OFF	2005/03/04 13:26
S17 6	7	("5433785" | "5565034" | "5725664" | "5759214" | "6113694" | "6261365" | "6350316").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/04 13:26
S17 7	13	ring adj boat and (ald or cvd)	US-PGPUB; USPAT	OR	ON	2005/03/04 13:56
S17 8	87800	(ald or cvd)	US-PGPUB; USPAT	OR	ON	2005/03/04 13:56
S17 9	3603	S178 and vertical$3 same (support or pedestal)	US-PGPUB; USPAT	OR	ON	2005/03/04 13:57
S18 0	1690	S179 and chamber same vertical$4	US-PGPUB; USPAT	OR	ON	2005/03/04 13:57
S18 1	677	S180 and "118"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/03/04 13:57
S18 2	315	S181 and process adj chamber	US-PGPUB; USPAT	OR	ON	2005/03/04 13:57
S18 3	191	S182 and vertical$4 near5 (pedestal or support)	US-PGPUB; USPAT	OR	ON	2005/03/04 13:58
S18 4	92	S183 not applied.as.	US-PGPUB; USPAT	OR	ON	2005/03/04 14:38
S18 5	1	"6187152".pn.	US-PGPUB; USPAT	OR	ON	2005/03/04 14:39
S18 6	7120	118/715,719,729.ccls. or 205/80.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/04 15:33
S18 7	1	"6497676".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/04 15:57

S188	30	(US-20020056414-$ or US-20020076490-$ or US-20020197863-$).did. or (US-4423701-$ or US-4430149-$ or US-4664939-$ or US-4949669-$ or US-5292554-$ or US-5518542-$ or US-5620523-$ or US-5676869-$ or US-5772773-$ or US-5916365-$ or US-6017396-$ or US-6143086-$ or US-6178660-$ or US-6318945-$ or US-6387185-$ or US-6497767-$ or US-6524952-$ or US-6174377-$ or US-6800173-$ or US-6656273-$ or US-5759214-$ or US-5433785-$ or US-5725664-$ or US-6031205-$ or US-6365025-$ or US-6187152-$).did. or (US-5785796-$).did.	US-PGPUB; USPAT	OR	OFF	2005/03/04 17:04
S189	18	S188 and horizontal$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/04 17:16
S190	12	vertical adj furnace and multi-zone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/04 17:18
S191	1	"6365025".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/04 17:19
S193	1	"20030023338"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/08 13:10
S194	1269	vacuum adj deposition adj chamber	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 14:21
S195	8	S194 and wafer with support with vertical$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 13:16
S196	1	S195 and zone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 13:16
S197	214	S194 and zone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 13:16
S198	104	S197 and zone same deposition	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 13:16
S199	76	S197 and zone with deposition	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 13:16
S200	12	S197 and zone$1 with deposition with multiple	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 13:21
S201	16	vertical adj furnace and vacuum adj deposition	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 13:31
S202	1	"6017779".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 13:22
S203	0	("6906008").URPN.	USPAT	OR	OFF	2005/08/23 13:29
S204	7	("3829373" | "3884787" | "4562093" | "4763601" | "5968877" | "6673387").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 13:29
S205	81	vacuum adj deposition and elevat$3 with wafer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 13:56

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S20 6	60	S205 and gas	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 13:56
S20 7	44	S206 and (chamber or zone)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 13:57
S20 8	5	vacuum adj deposition adj zone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 14:22
S20 9	41	vacuum adj deposition and multiple near3 zone$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 14:23
S21 0	12	S209 and (wafer or substrate) with support	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/23 14:23
S21 1	8	("3006737" | "3020129" | "4154870" | "4910163" | "5810934" | "6110290").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 15:21
S21 2	0	("6281098").URPN.	USPAT	OR	OFF	2005/08/23 15:33
S21 3	4	"917842"	USPAT	OR	OFF	2005/08/23 15:34
S21 4	0	"20030023338"	USPAT	OR	OFF	2005/08/23 15:34
S21 5	1	"0023338"	USPAT	OR	OFF	2005/08/23 15:34
S21 6	1	"20030023338"	US-PGPUB; USPAT	OR	OFF	2005/08/23 15:35
S21 7	47	deposition adj region$1 with multiple	US-PGPUB; USPAT	OR	OFF	2005/08/23 16:07
S21 8	1	S216 and monolayer	US-PGPUB; USPAT	OR	OFF	2005/08/23 15:39
S21 9	1	"6383989".pn.	US-PGPUB; USPAT	OR	OFF	2005/08/23 16:07
S22 0	4	("5850071" | "6051371" | "6117266" | "6214706").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 17:19
S22 1	739	chemisor$5 and monolayer and (wafer or substrate) and (support or pedestal)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 17:20
S22 2	498	S221 and vacuum and deposition	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/24 10:40
S22 3	55	S222 and (vertical or elevat$3) with (pedestal or platform or support)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 17:24
S22 4	13	US-6630201-$.DID. OR US-6660126-$.DID. OR US-6716287-$. DID. OR US-6718126-$.DID. OR US-6734020-$.DID. OR US-6772072-$.DID. OR US-6773507-$.DID. OR US-6777352-$. DID. OR US-6778762-$.DID. OR US-6818094-$.DID. OR US-6821563-$.DID. OR US-6866746-$.DID. OR US-6868859-$. DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 17:26
S22 5	7	"20010014371" "20010013312" "20010042523" "20010054377" "20020000196" "20020009544"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 17:27

S22 6	22	"20020007790" "20020041931" "20020052097" "20020066411" "20020076508" "20020076507" "20020076481" "20020073924" "20020086106" "20020094689" "20020092471" "20020104481" "20020108570" "20020121342" "20020121241" "20020127745" "20020134307" "20020146511" "20020144657" "20020144655"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 17:29
S22 7	28	"20030224723" "20030010451" "20030022338" "20030042630" "20030053799" "20030057527" "20030072913" "20030075925" "20030075273" "20030079686" "20030089308" "20030101927" "20030106490" "20030113187" "20030116087" "20030121608" "20030121469" "20030143747" "20030143328" "20030140854"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 17:30
S22 8	21	"20030153177" "20030172872" "20030194493" "20030198754" "20030216981" "20030213560" "20030221780" "20030224107" "20040015300" "20040014320" "20040013577" "20040011504" "20040011404" "20040016404" "20040025370" "20040065255" "20040071897" "20040069227" "20040144311" "20040144308" "20050006799"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 17:31
S22 9	91	S224 or S225 or S226 or S227 or S228	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 17:31
S23 0	3	S229 and piston	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 17:32
S23 1	1	S230 and (zone with deposition)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 17:33
S23 2	1650	118/719.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/24 16:47
S23 3	100	S232 and piston	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 17:33
S23 4	3	S233 and monolayer	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 17:34
S23 5	1	S234 and (vertical or elevat$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/23 17:34
S23 6	62	vacuum and deposition and (raised and lowered) same wafer adj support	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/24 10:41
S23 7	8936	vacuum and deposition and (raised and lowered) withwafer adj support	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/24 10:41
S23 8	34	vacuum and deposition and (raised and lowered) with wafer adj support	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/24 10:43
S23 9	1	"6455098".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/24 10:44

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S24 0	41	(US-20020056414-$ or US-20020076490-$ or US-20020146511-$ or US-20020195056-$ or US-20020197863-$ or US-20020164849-$).did. or (US-4423701-$ or US-4430149-$ or US-4664939-$ or US-4949669-$ or US-5292554-$ or US-5384008-$ or US-5433785-$ or US-5518542-$ or US-5620523-$ or US-5676869-$ or US-5725664-$ or US-5759214-$ or US-5772773-$ or US-5785796-$ or US-5916365-$ or US-6017396-$ or US-6017779-$ or US-6031205-$ or US-6143080-$ or US-6143086-$ or US-6174377-$ or US-6176924-$ or US-6178660-$ or US-6187152-$ or US-6281098-$ or US-6310281-$).did. or (US-6318945-$ or US-6365025-$ or US-6387185-$ or US-6497767-$ or US-6524952-$ or US-6656273-$ or US-6800173-$ or US-6906008-$ or US-6455098-$).did.	US-PGPUB; USPAT	OR	OFF	2005/08/24 16:39
S24 1	6	S240 and vacuum adj deposition	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/24 16:41
S24 2	16	vacuum adj deposition and "700"/$.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/24 16:43
S24 3	3	vacuum adj deposition adj chamber and "700"/$.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/24 16:41
S24 4	16	S240 and vacuum with deposition	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/24 16:47
S24 5	425	vacuum adj deposition and chamber same zone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/08/24 16:47
S24 6	142	118/719.ccls. and vacuum adj deposition	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/24 16:55
S24 7	1536	atomic adj layer adj deposition and vacuum	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/24 16:55
S24 8	90	atomic adj layer adj deposition and vacuum adj deposition	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/24 16:55
S24 9	1	"2002110991"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/29 13:40
S25 0	19	"110991"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/29 13:40
S25 1	1	"20020110991"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/29 13:42
S25 2	1	"20020009896"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/29 13:43
S25 3	1	"5173327".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/29 13:44
S25 4	1	"5972430".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/02/17 14:46

S25 5	14	US-4415275-$.DID. OR US-4761269-$.DID. OR US-5027746-$. DID. OR US-5173327-$.DID. OR US-6387185-$.DID. OR US-6432231-$.DID. OR US-6451119-$.DID. OR US-6573182-$. DID. OR US-6579374-$.DID. OR US-6593484-$.DID. OR US-6613656-$.DID. OR US-6071572-$.DID. OR US-6302965-$. DID. OR US-6593484-$.DID. OR US-6815285-$.DID.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/29 13:59
S25 6	11	"20030004723" or "20030017697" or "20030101938" or "20030219942" or "20030235961" or "20040219784" or "20040224506" or "20040235285" or "20050059240" or "20050095859" or "20050104142"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/29 14:01
S25 7	1	"20050104142"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/29 14:01
S25 8	13	("4433951" | "4888199" | "5232508" | "5262201" | "5314574" | "5492718" | "5695568" | "5734165" | "5848670" | "5882419" | "5891251" | "5951775" | "6183564").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/29 14:34
S25 9	20	("4917556" | "4951601" | "4951602" | "4962726" | "4981408" | "4990047" | "5019234" | "5024747" | "5062758" | "5063031" | "5071791" | "5092728" | "5092729" | "5110248" | "5110249" | "5231839" | "5310410" | "5685963" | "5695564" | "5871587"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/29 14:54
S26 0	13	("6183564").URPN.	USPAT	OR	OFF	2005/12/29 14:56
S26 1	50	("6139700" "6174377" "6465371" "6509280" "6610169" "6613656" "6656282" "6730164" "6734020" "6756318" "6784049" "6812157" "6815350" "6858085" "6902620" "6911092" "6916374" "6921555" "6932871" "6967154" "6596133" "6573184" "6579372" "6638879" "6740977" "6796316" "6835919" "5854138" "6344116" "6764940" "6482740" "6806145" "6887795" "6902624" "6042652" "5879459" "6200893" "6305314" "6380081" "6387185" "6451119" "6451695" "6461436" "6475276" "6475910" "6540838" "6551929" "6576053" "6602784" "6630201").pn.	USPAT	OR	OFF	2005/12/29 15:05
S26 7	14	US-4415275-$.DID. OR US-4761269-$.DID. OR US-5027746-$. DID. OR US-5173327-$.DID. OR US-6387185-$.DID. OR US-6432231-$.DID. OR US-6451119-$.DID. OR US-6573182-$. DID. OR US-6579374-$.DID. OR US-6593484-$.DID. OR US-6613656-$.DID. OR US-6071572-$.DID. OR US-6302965-$. DID. OR US-6593484-$.DID. OR US-6815285-$.DID.	US-PGPUB; USPAT	OR	ON	2006/02/13 13:28
S26 8	11	"20030004723" "20030017697" "20030101938" "20030219942" "20030235961" "20040219784" "20040224506" "20040235285" "20050059240" "20050095859" "20050104142"	US-PGPUB; USPAT	OR	ON	2006/02/13 13:49
S26 9	3	"5384008".pn. or "6281098".pn. or "6139695".pn.	US-PGPUB; USPAT	OR	ON	2006/02/13 13:55
S27 0	226	(deposition and wafer and chamber and vertical$4).clm.	US-PGPUB; USPAT	OR	ON	2006/02/13 13:55
S27 1	21	S270 and (zone or curtain).clm.	US-PGPUB; USPAT	OR	ON	2006/02/13 14:50